

# RS PRO Photoelectric Sensor

RS Stock No.: 2043972, 2043973, 2043974, 2043975

## FEATURES

- Diffuse reflection working principle;
- Excellent anti-interference performance;
- High detection accuracy.



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Part Number Description

Part number	Sensing distance	Light source	Output	Connection
2043972	40cm (adjustable)	Infrared LED (880nm)	NPN NO+NC	2m PVC cable
2043973	40cm (adjustable)	Infrared LED (880nm)	PNP NO+NC	2m PVC cable
2043974	40cm (adjustable)	Infrared LED (880nm)	NPN NO+NC	M12 connector
2043975	40cm (adjustable)	Infrared LED (880nm)	PNP NO+NC	M12 connector

## General Specifications

<b>Detection Type</b>	Diffuse reflection sensor
<b>Rated distance</b>	40cm adjustable
<b>Standard target</b>	White card reflection rate 90%
<b>Detected target</b>	Opaque object
<b>Repeat accuracy [R]</b>	≤5%
<b>Response Time</b>	≤8.2ms
<b>Output Indicator</b>	Yellow LED
<b>Ambient temperature</b>	-15°C...55 °C
<b>Ambient humidity</b>	35...85 %RH (non-condensing)

## Electrical Specifications

<b>Operating Supply Voltage</b>	10...30 VDC
<b>Current Consumption</b>	≤25mA
<b>Residual voltage</b>	≤2.5V
<b>Load Current</b>	≤200mA
<b>Hysteresis</b>	≤3...20%
<b>Reverse Polarity Protection</b>	YES
<b>Overload Protection</b>	YES
<b>Short Circuit Protection</b>	YES
<b>Voltage withstand</b>	1000V/AC 50/60Hz 60s
<b>Insulation resistance</b>	≥50MΩ(500VDC)
<b>Vibration resistance</b>	10...50Hz (0.5mm)

## Mechanical Specifications

<b>Body Style</b>	Barrel
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# Photoelectric Sensors

<b>Mounting Type</b>	Screw Nut
<b>Housing Material</b>	PBT
<b>Dimensions</b>	M18*68mm (connector type) / M18*53.5mm (cable type)
<b>Weight</b>	45g (connector type) / 150g (cable type)

## Protection Category

<b>IP Rating</b>	IP67
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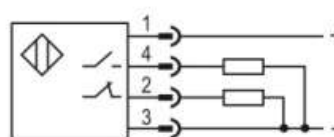
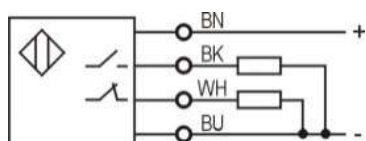
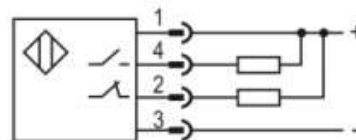
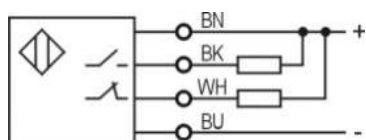
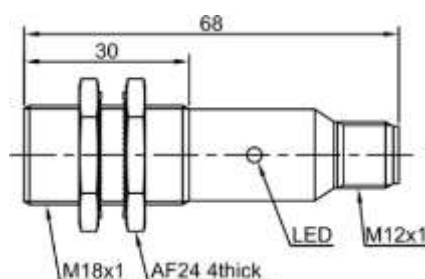
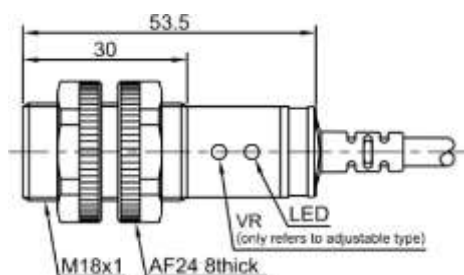
## Additional Information

<b>Custom Tariff Number/HS code</b>	903180
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## Approvals

<b>Compliance/Certifications</b>	CE
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## Dimension and Wiring



Cable type

Connection type